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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/540,751		06/24/2005	Nobuyuki Kuroiwa	2005-0970A	2029	
513	7590	06/15/2006		EXAM	EXAMINER	
	-	IND & PONACK, I	KILIMAN, I	KILIMAN, LESZEK B		
SUITE 800	2033 K STREET N. W. SUITE 800			ART UNIT	PAPER NUMBER	
WASHING	TON, D	OC 20006-1021	1773			
				DATE MAILED: 06/15/2006	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summany	10/540,751	NABUYUKI KUROIWA				
Office Action Summary	Examiner	Art Unit				
	leszek b. kiliman	1773				
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR R WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 C after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory in - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNI CFR 1.136(a). In no event, however, may a tion. period will apply and will expire SIX (6) MOI statute, cause the application to become Al	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
	This action is non-final.					
3) Since this application is in condition for al	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice un	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 1-7 is/are pending in the applicant 4a) Of the above claim(s) is/are with 5) Claim(s) is/are allowed. 6) Claim(s) 1-7 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction a	thdrawn from consideration.					
Application Papers						
9) The specification is objected to by the Exa 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the or 11) The oath or declaration is objected to by the	accepted or b) objected to o the drawing(s) be held in abeyar correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) ☑ Notice of References Cited (PTO-892) 2) ☑ Notice of Draftsperson's Patent Drawing Review (PTO-948 3) ☑ Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date with application.	8) Paper No(s	Summary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamamoto'104.

The applied prior art reference to Yamamoto'104 teaches that it is well known in the art to make and use an electroconductive zinc oxide powder, wherein at leas one additional element is present, the average particle size falls within the claimed size and the volume resistivity is within the claimed values. See abstract, column 1, lines 1-50, column 2, lines 25-32, column 44-51, column 28-40, column 5, lines 55-68, column 7, lines 1-30, and 38-53, column 8, lines 7-35, and 40-50.

The prior art reference teaches the claimed steps in producing powders including claimed temperature ranges.

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The applied reference does not specifically teach the claimed bulk density or the claimed amount of the additional element. However, it would have been obvious to one having ordinary skill in the art at the time of the invention to optimize the bulk density of the powder as well as the amount of the additional element in the composition since such would improve conductive properties of the powder. Also, it would have been obvious to use such powders in electroconductive composition since such is considered a common practice in industry.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to leszek b. kiliman whose telephone number is 571-272-1509. The examiner can normally be reached on M-T, 6.30-5.00.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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